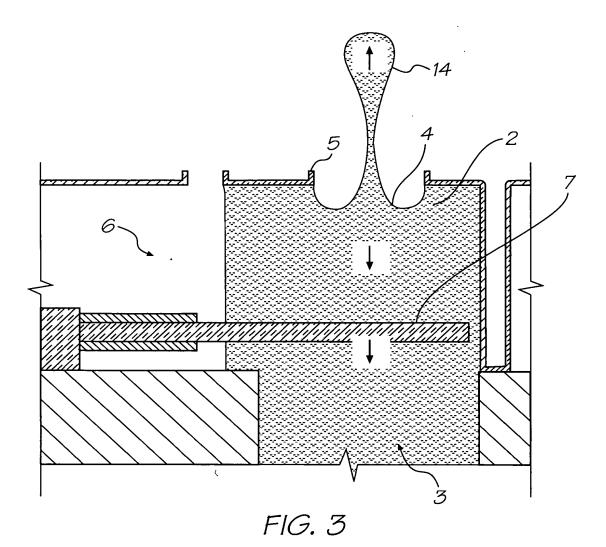
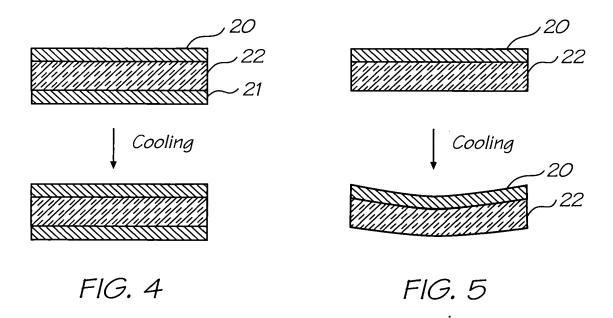


FIG. 2





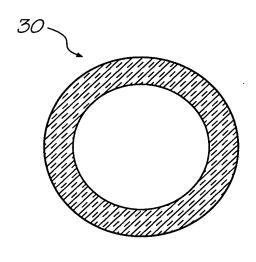


FIG. 6

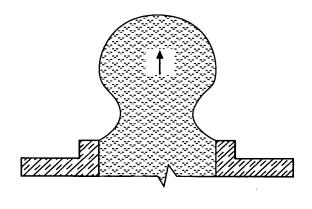


FIG. 7

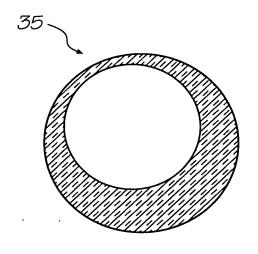


FIG. 8

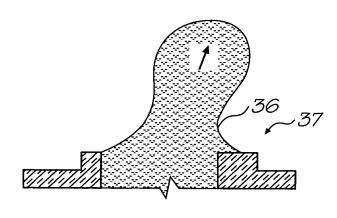
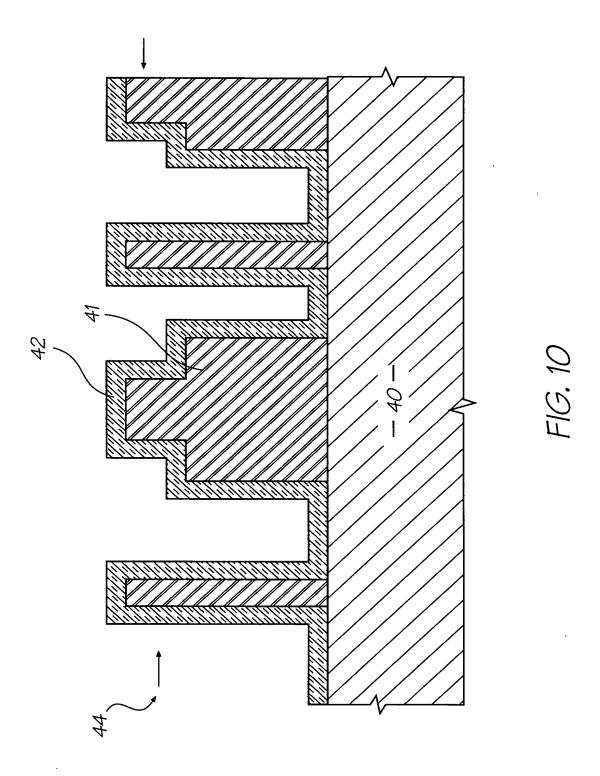


FIG. 9



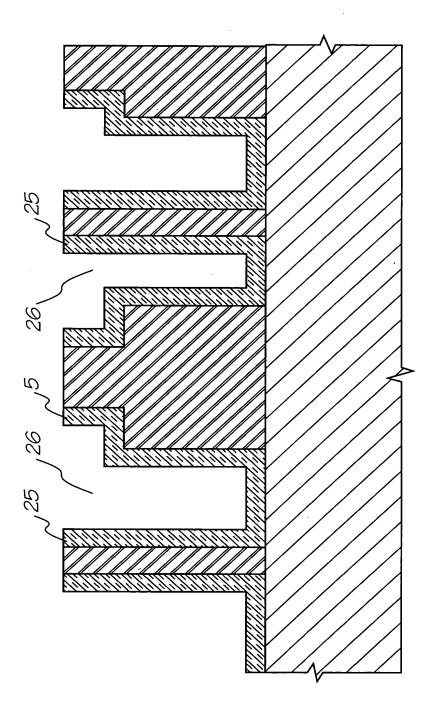


FIG. 11

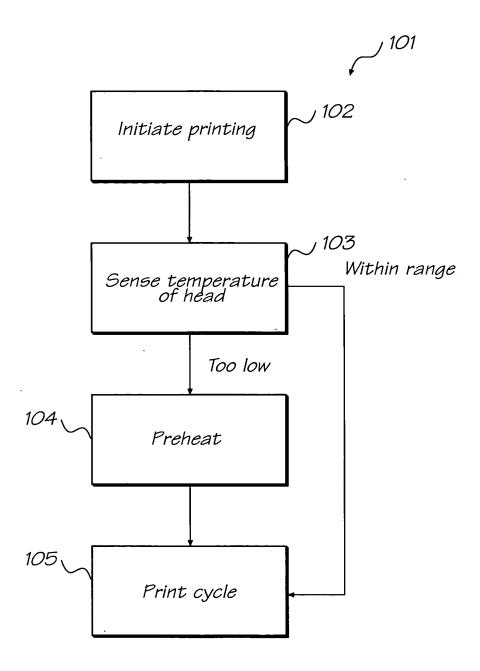
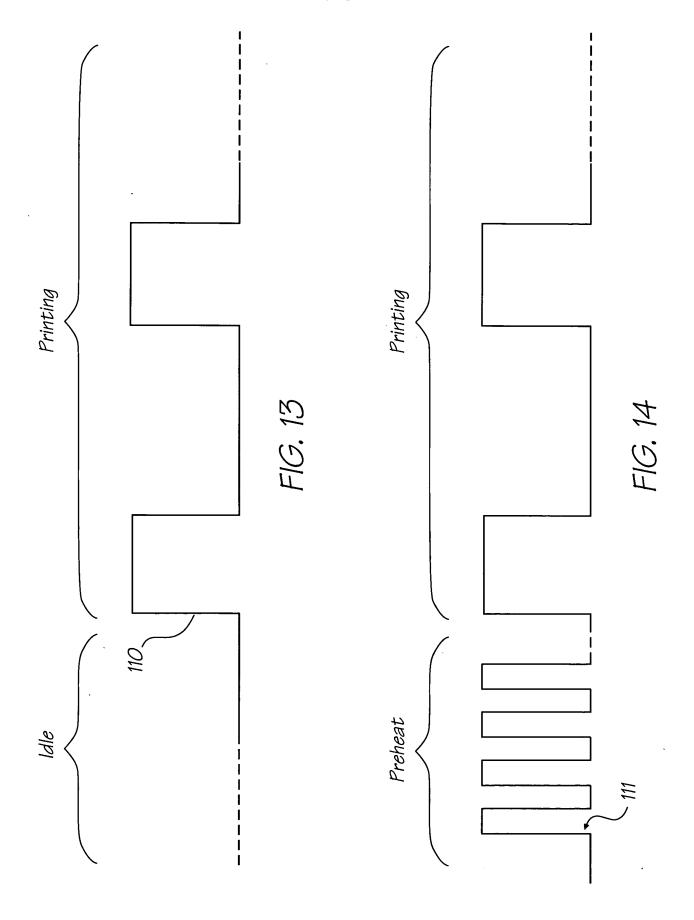
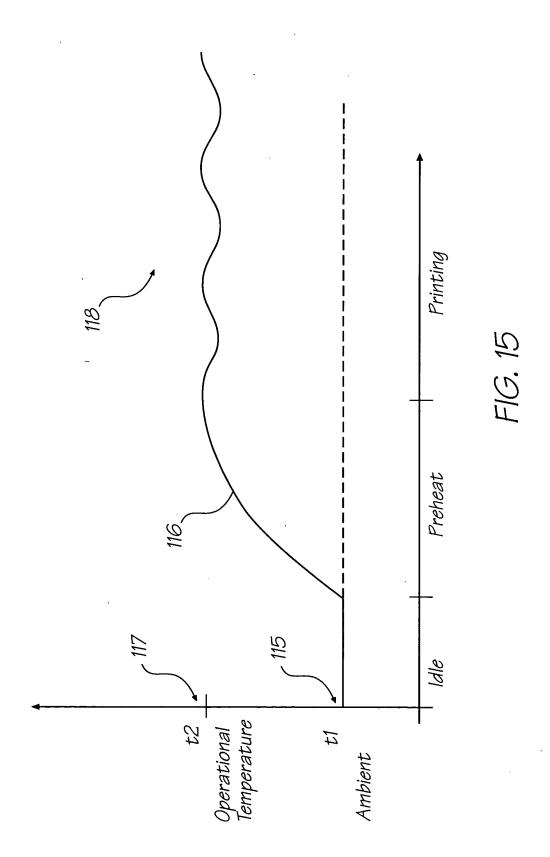
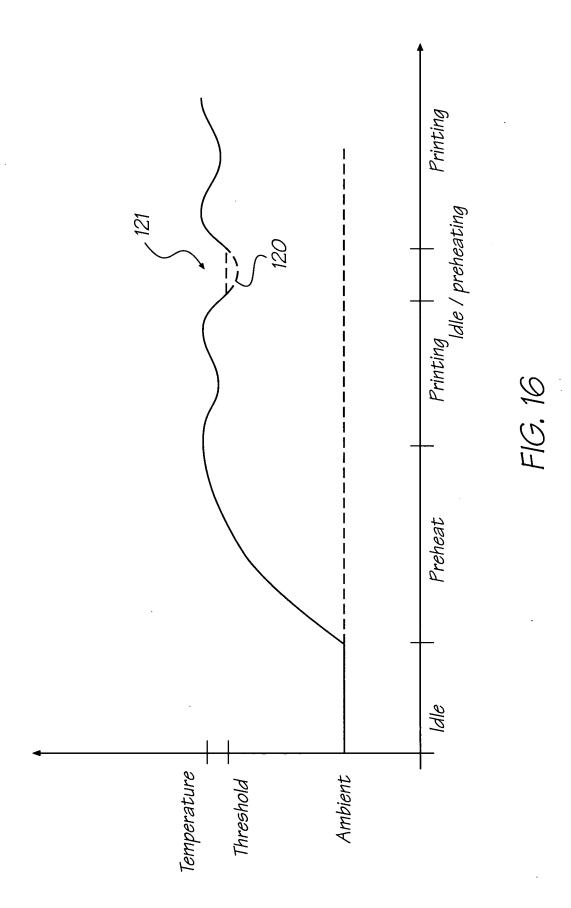


FIG. 12







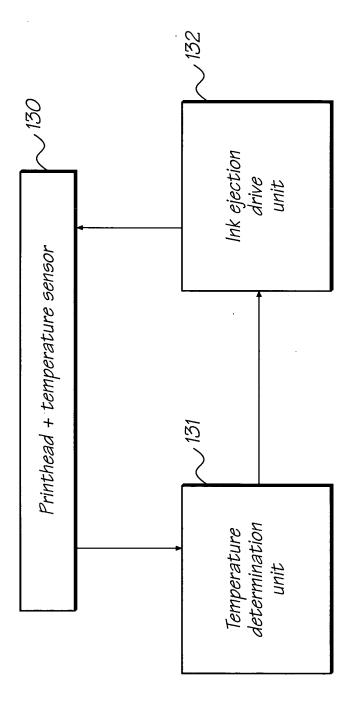
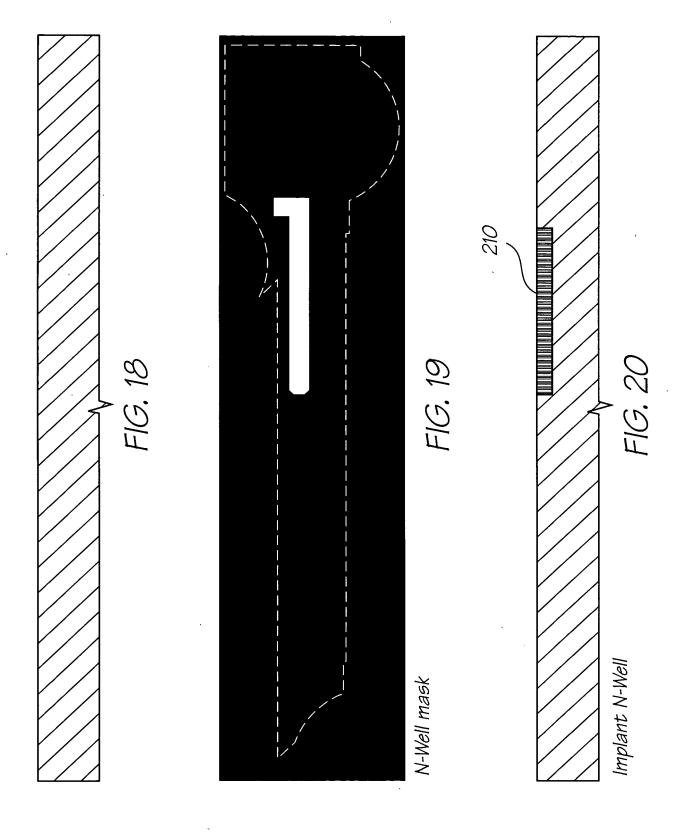


FIG. 17



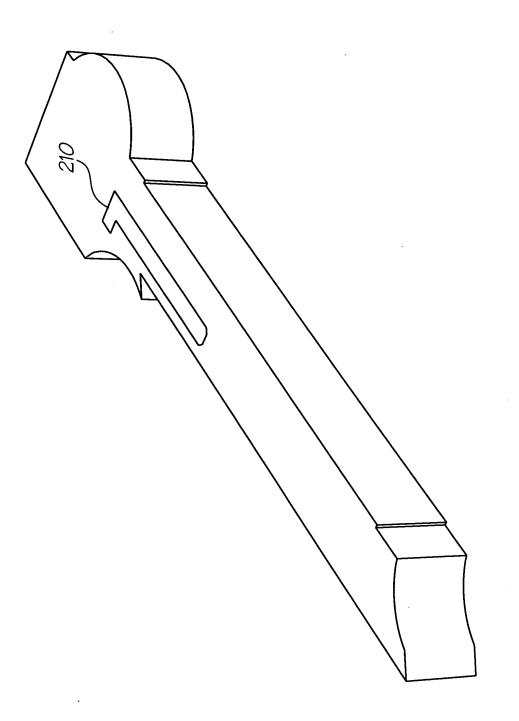
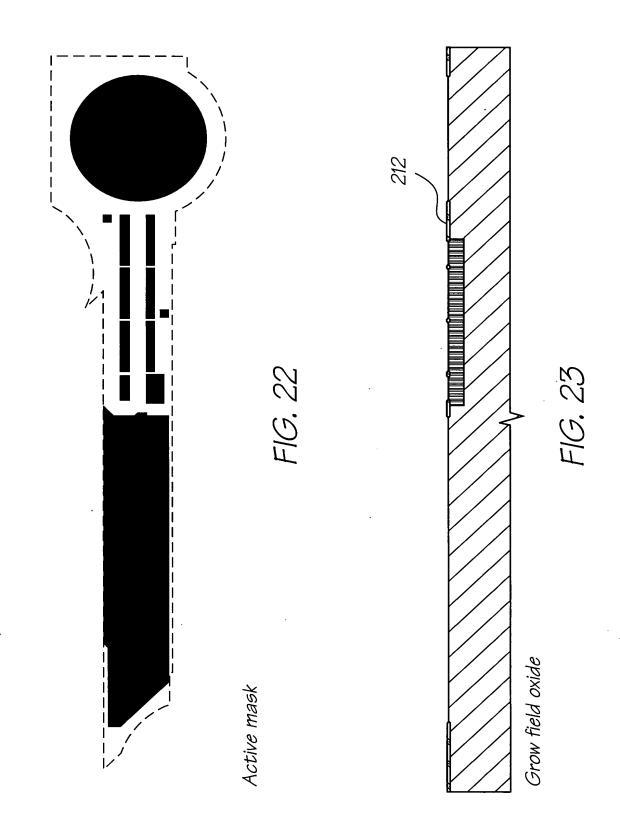


FIG. 21



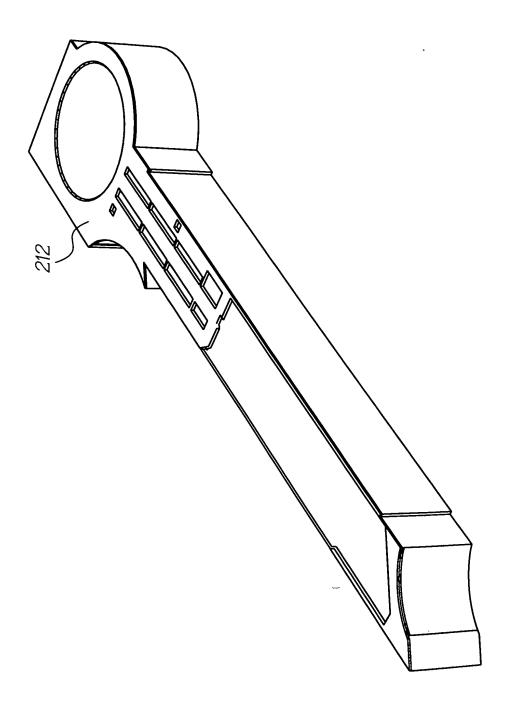
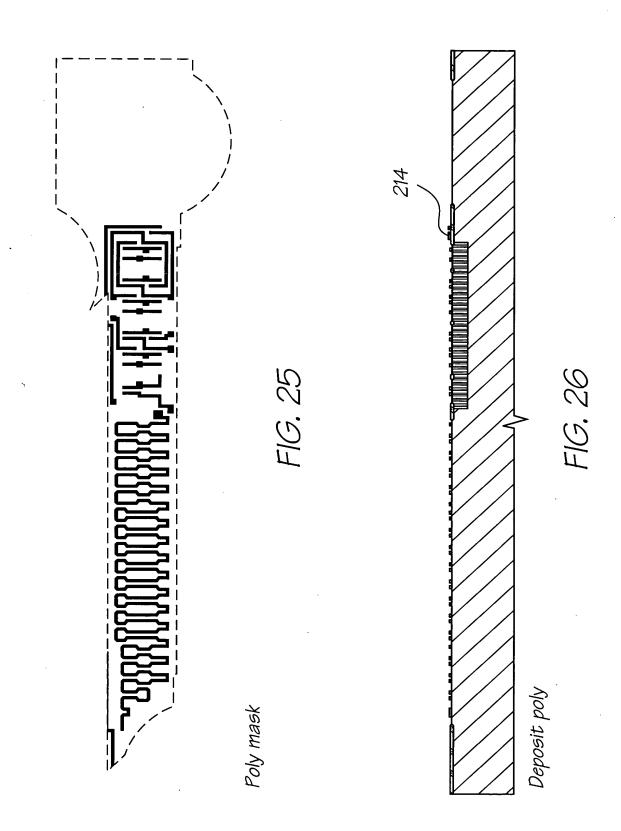


FIG. 24



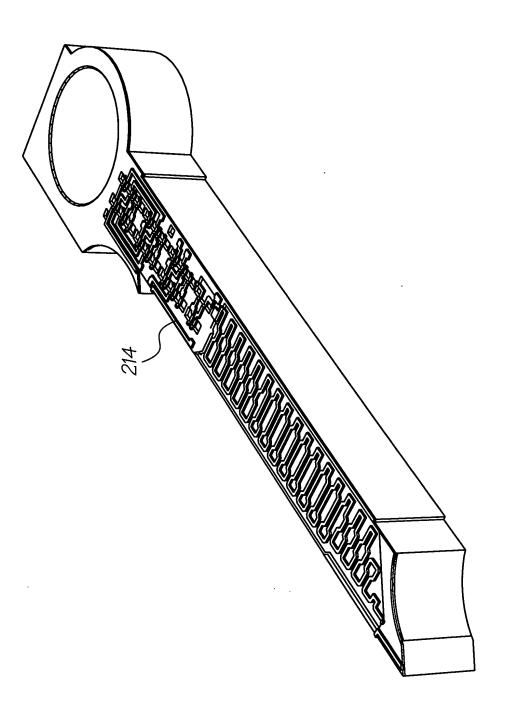
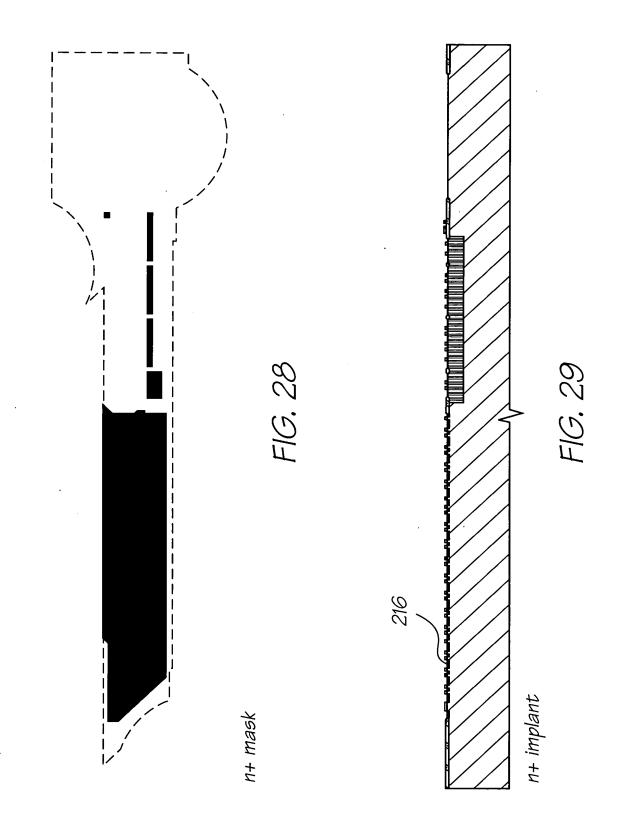


FIG. 27



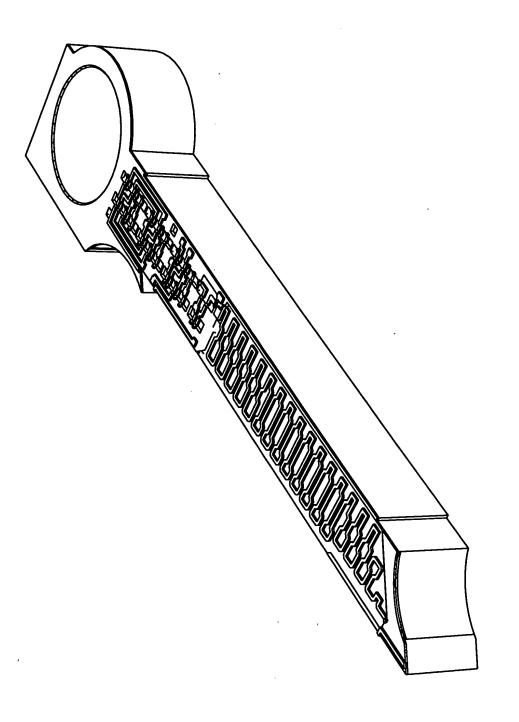
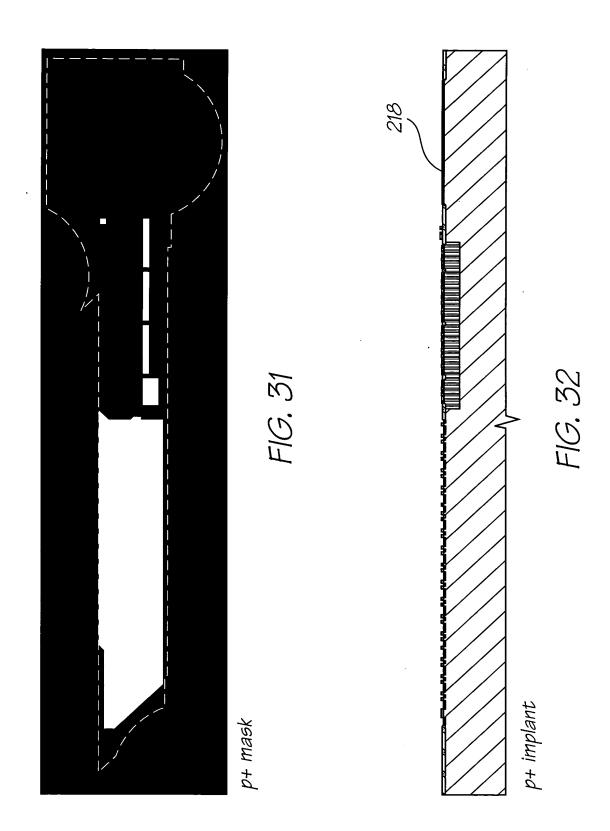


FIG. 30



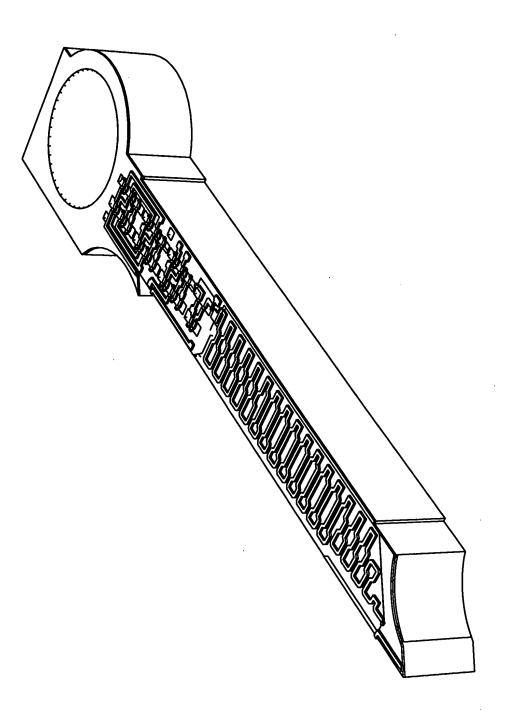
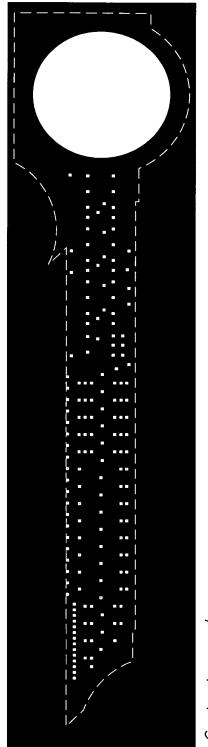
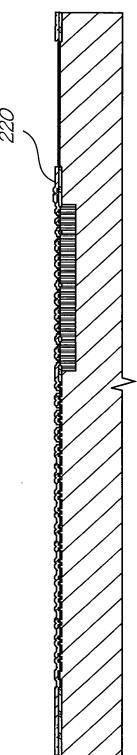


FIG. 33



Contacts mask

FIG. 34



Deposit ILD 1, etch contacts

FIG. 35

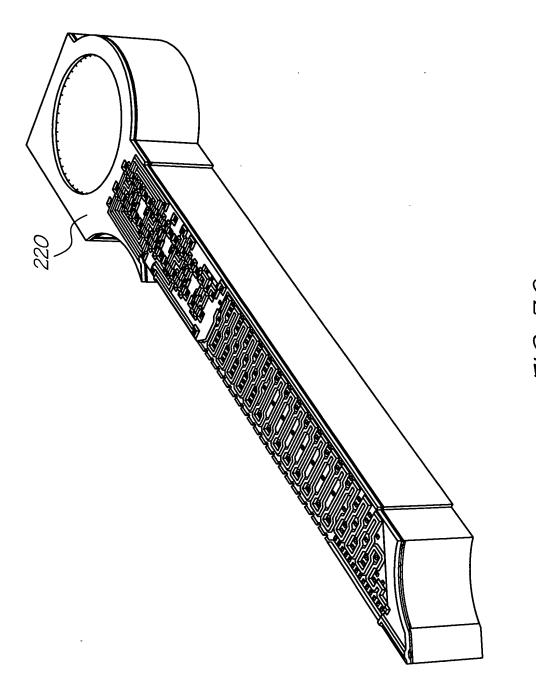
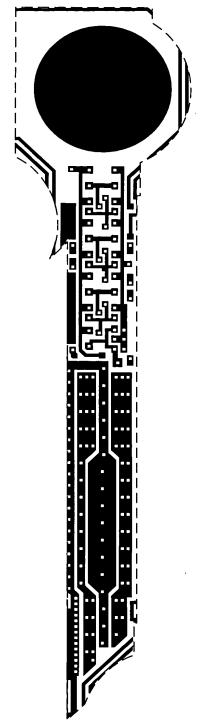
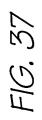
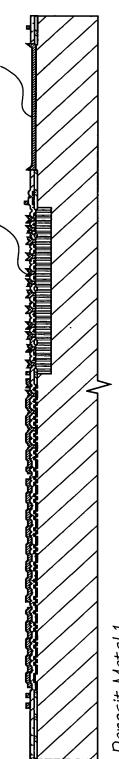


FIG. 36



Metal 1 mask

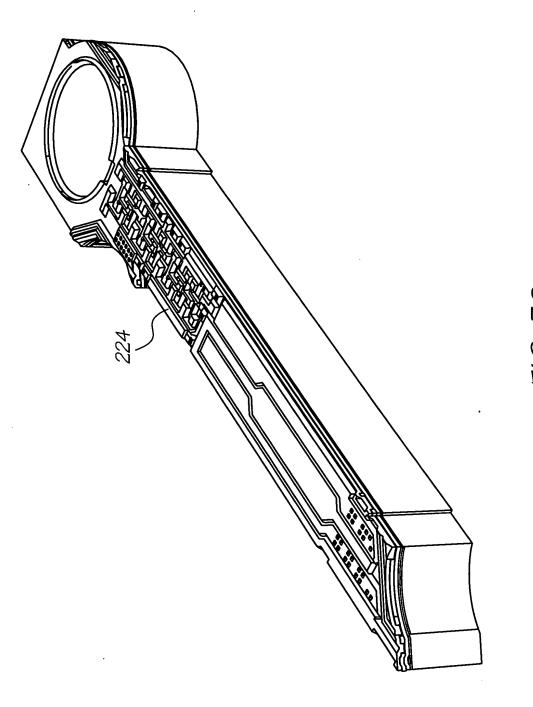




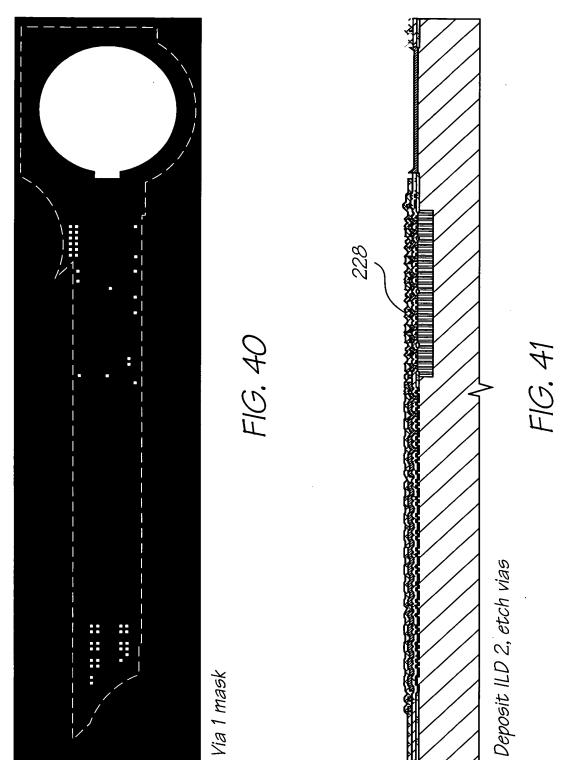
224

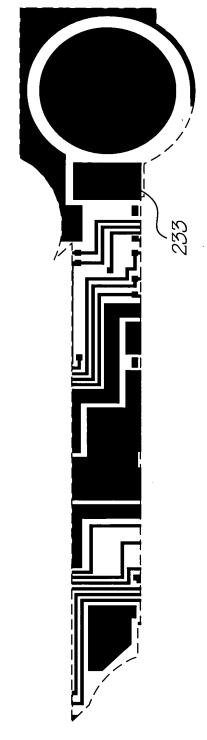
Deposit Metal 1

FIG. 38



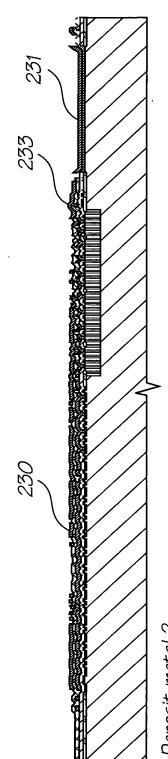
F/G. 39





Metal 2 mask

FIG. 42



Deposit metal 2

FIG. 43

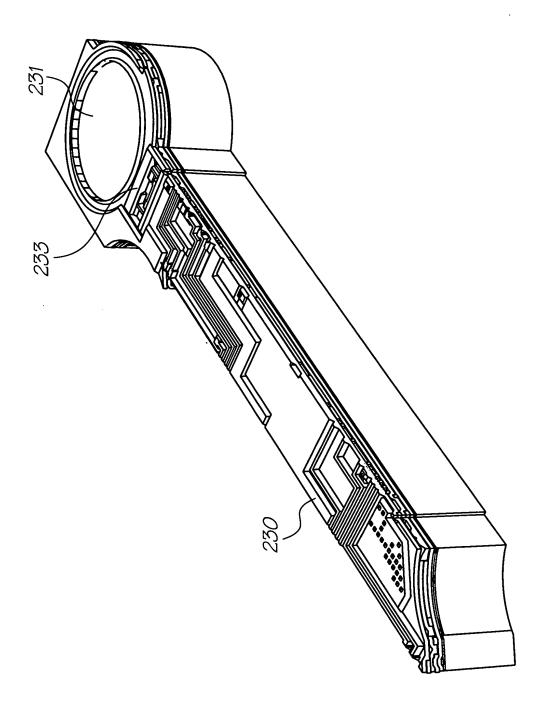
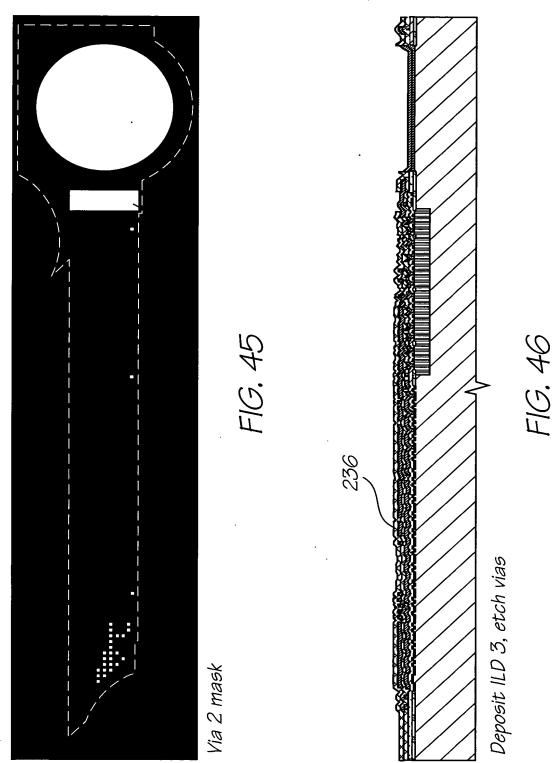
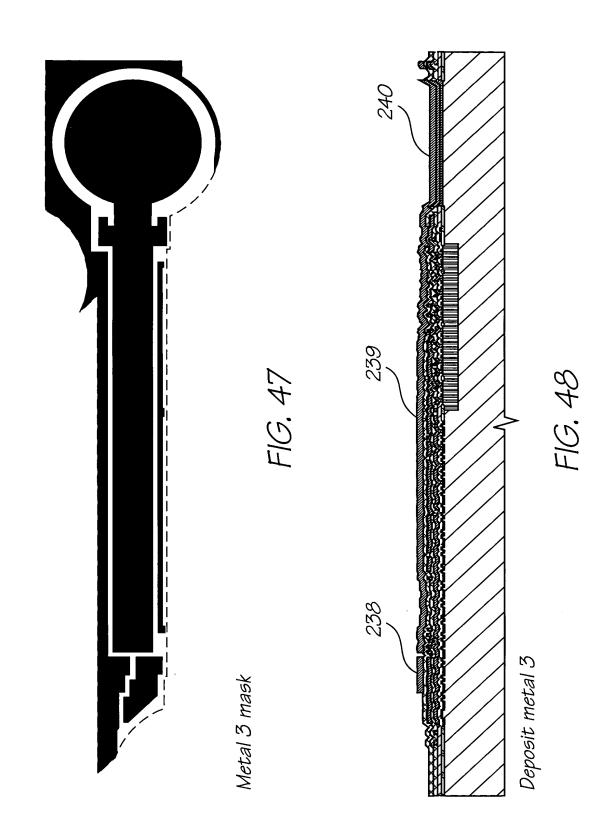
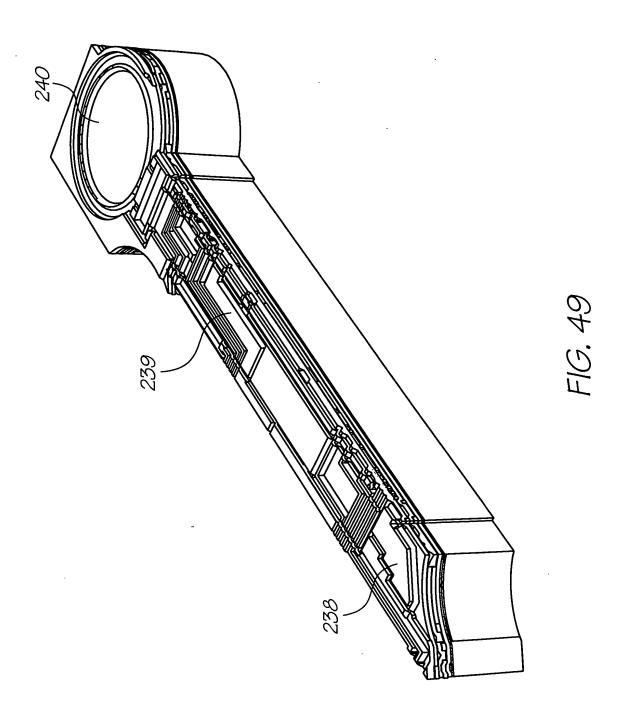
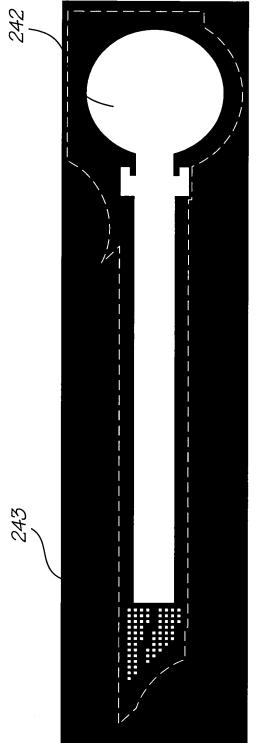


FIG. 44



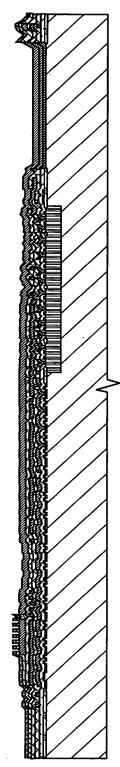






Via 3 / Passivation mask

FIG. 50



Deposit passivation oxide & nitride, etch vias

F1G. 51

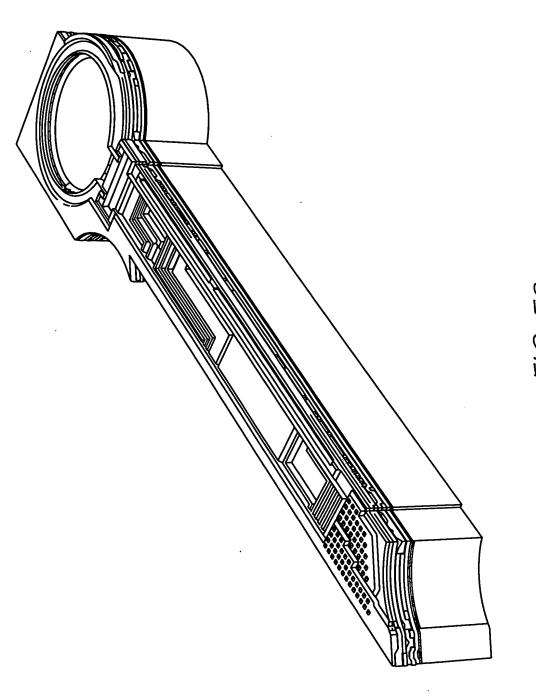
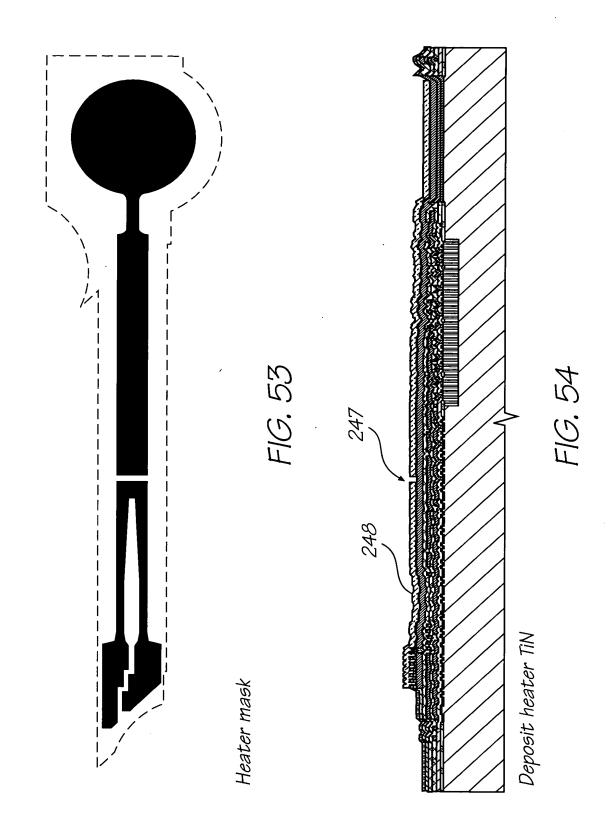
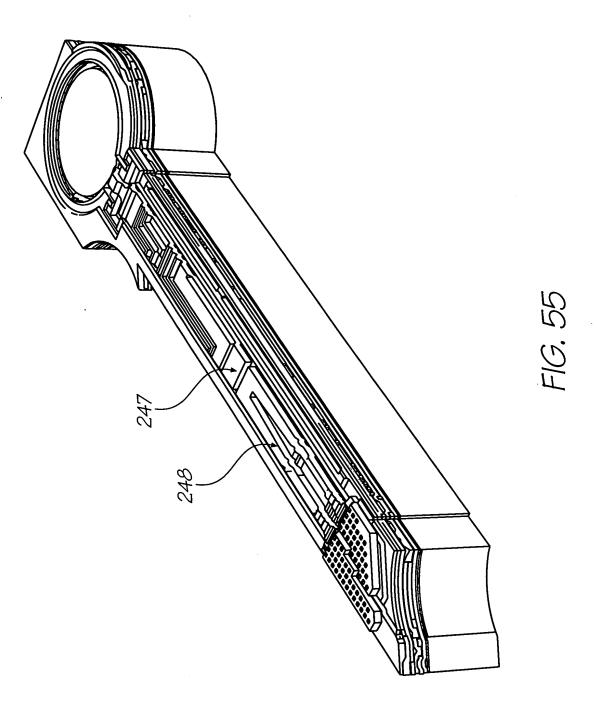
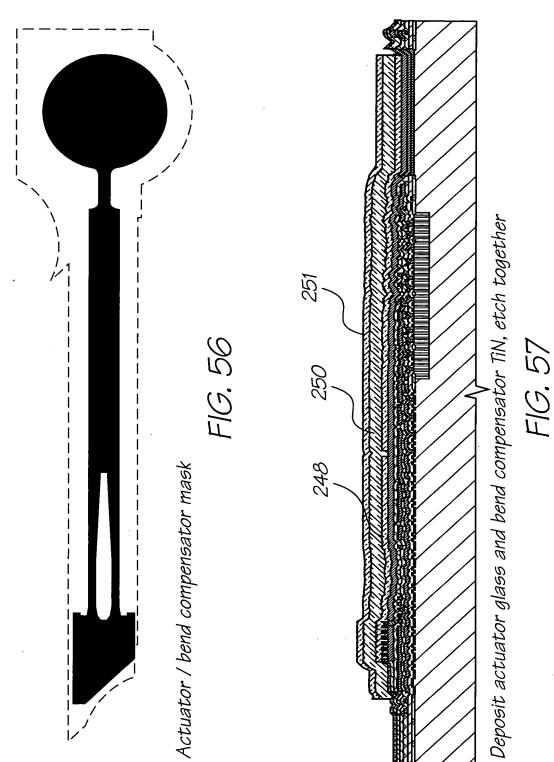


FIG. 52







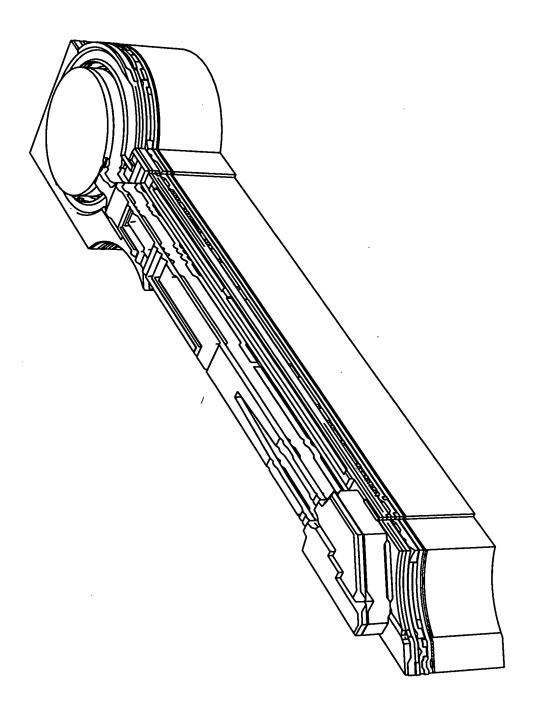
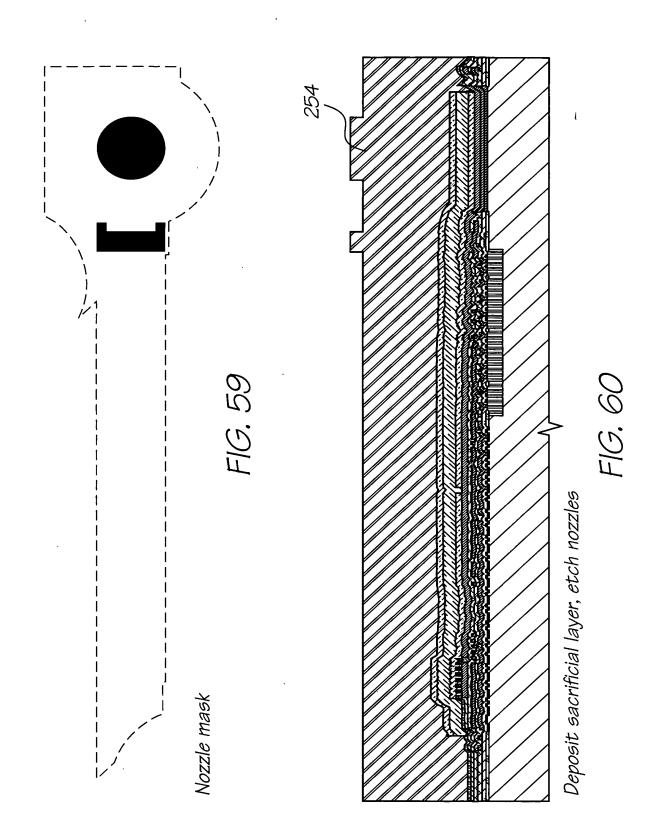
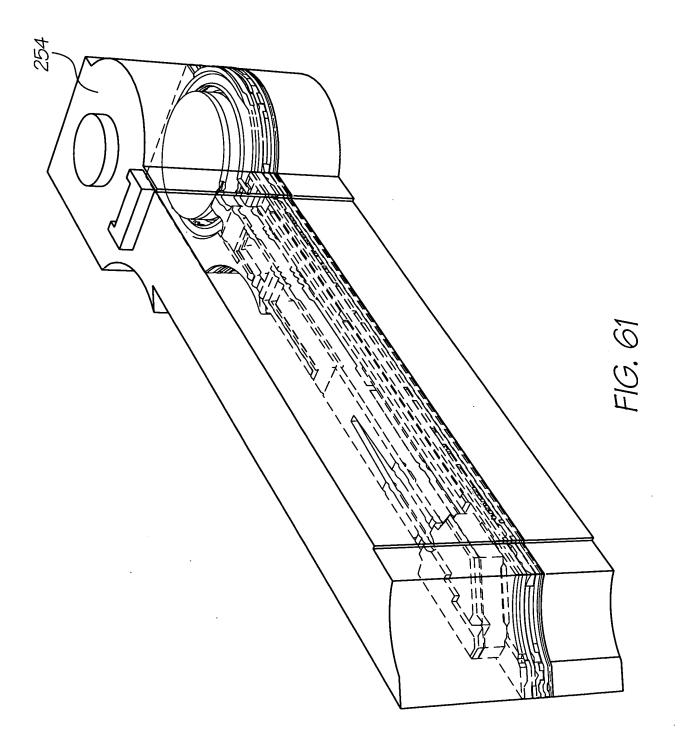
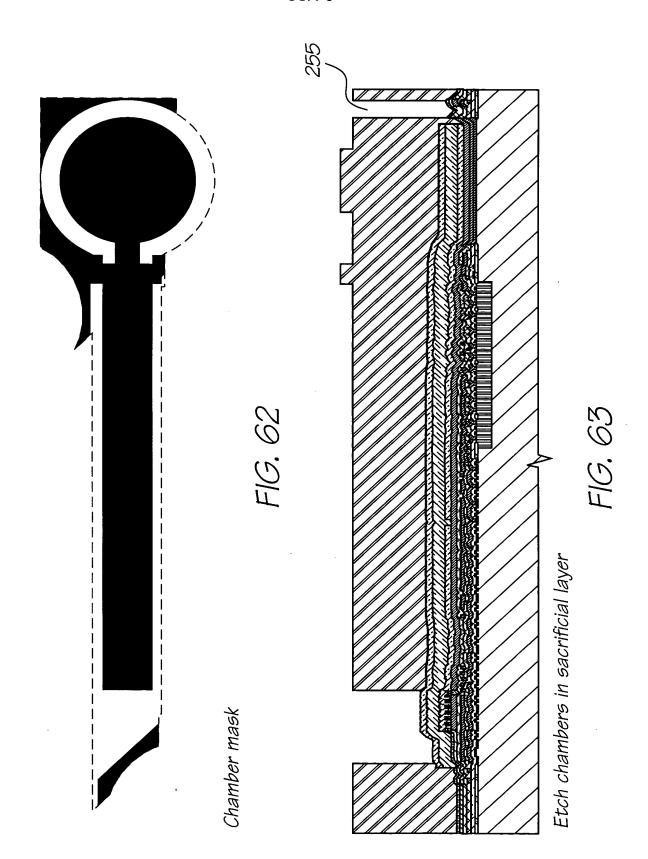
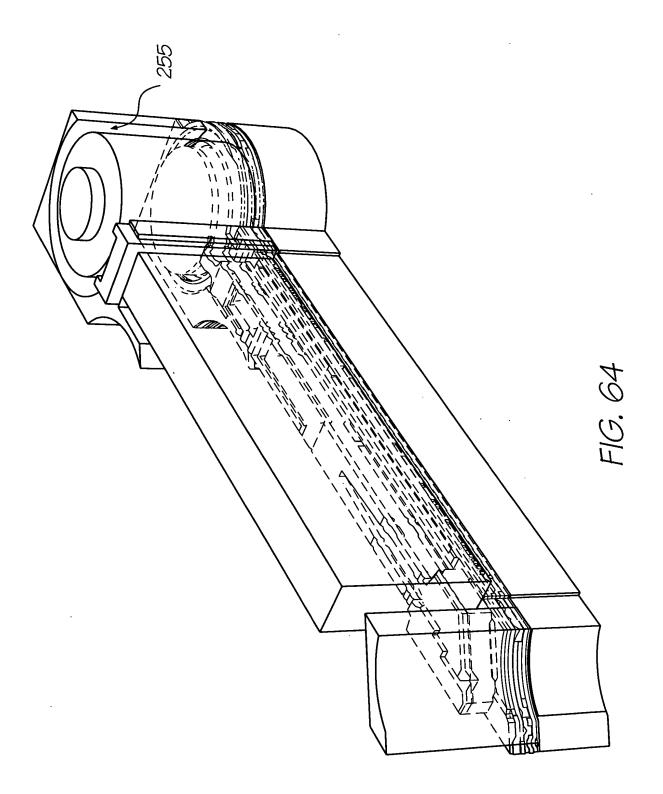


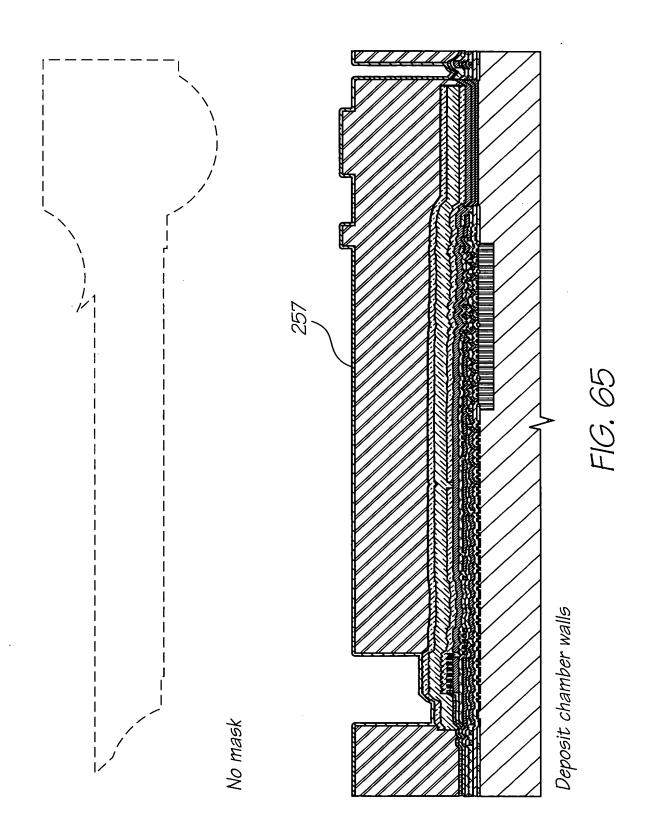
FIG. 58

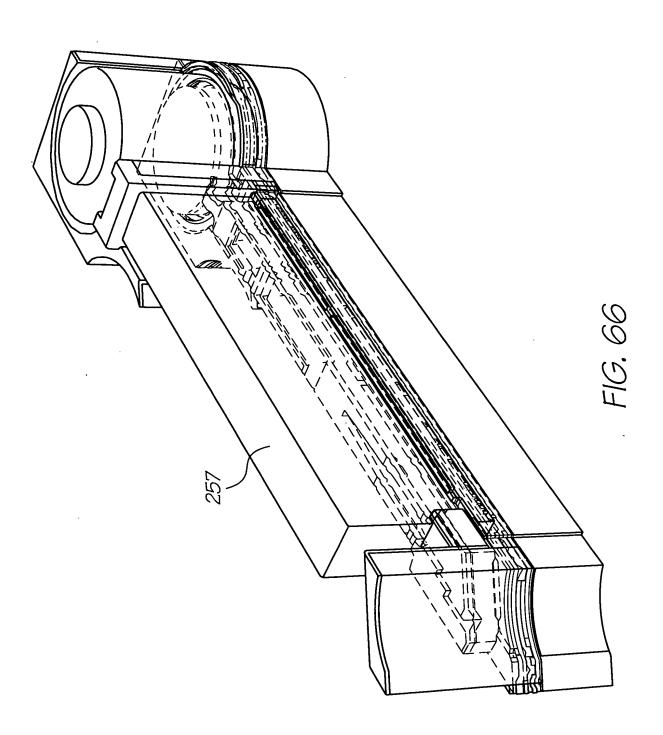


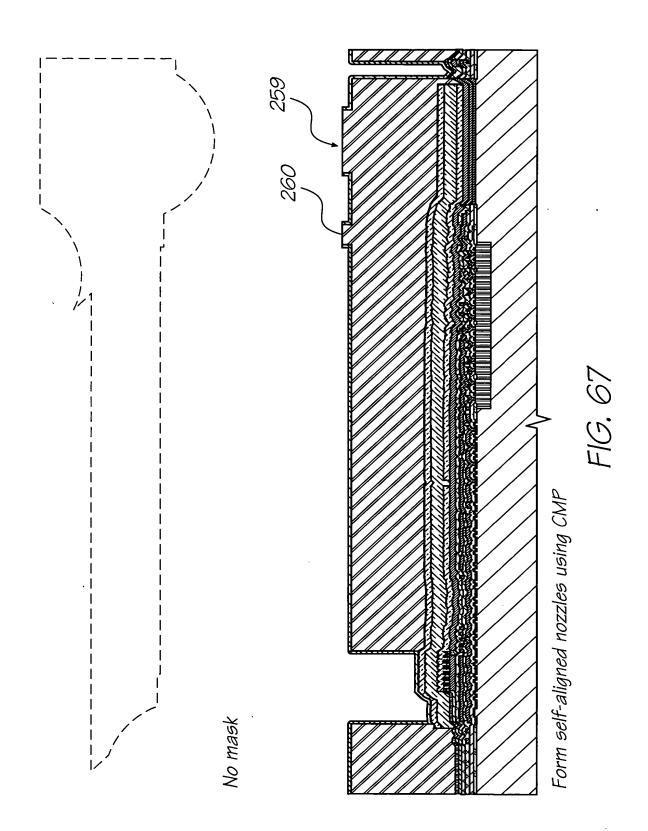


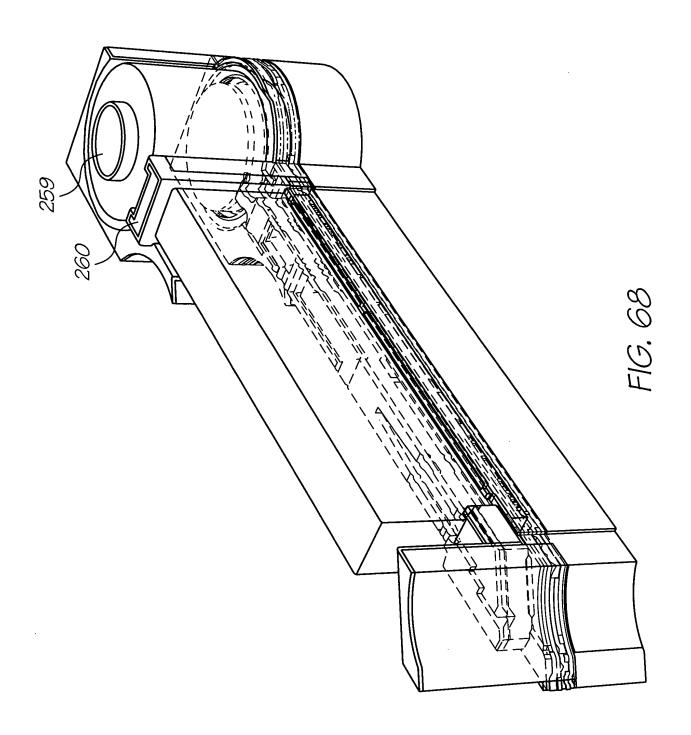


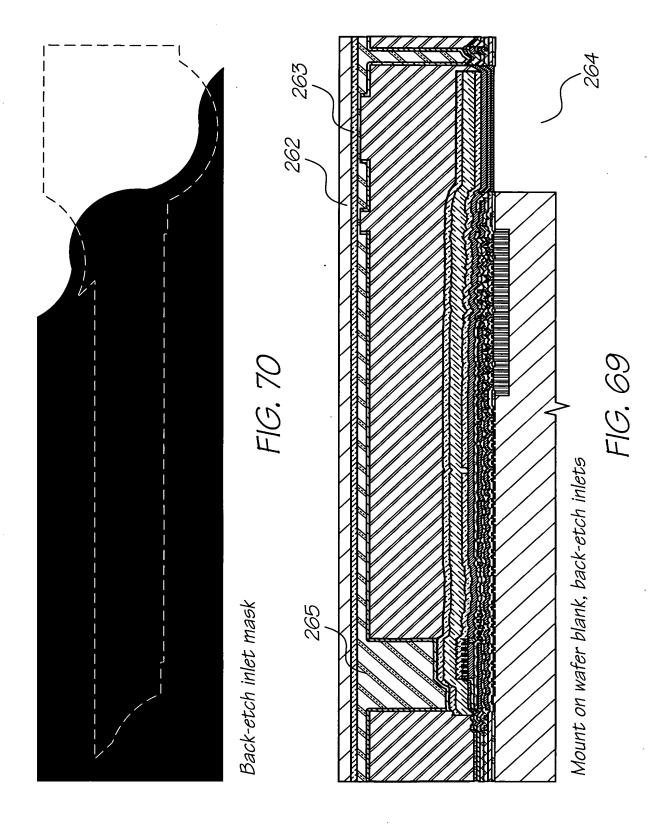


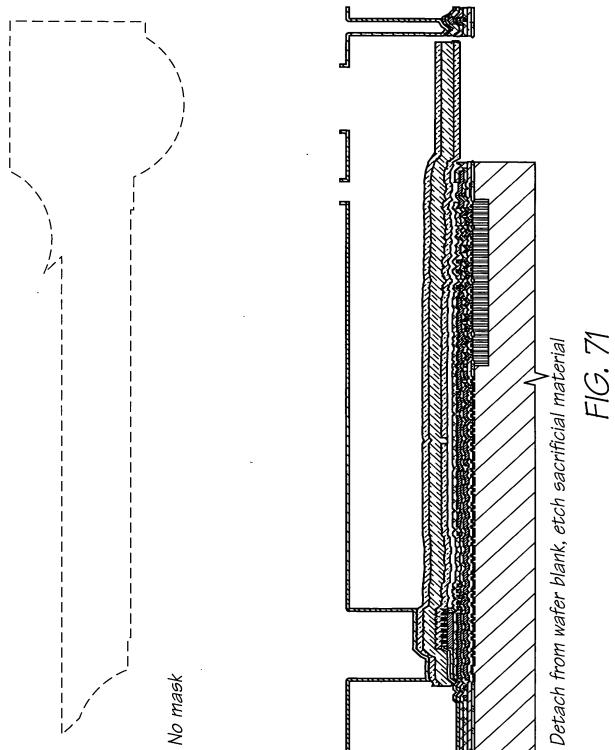


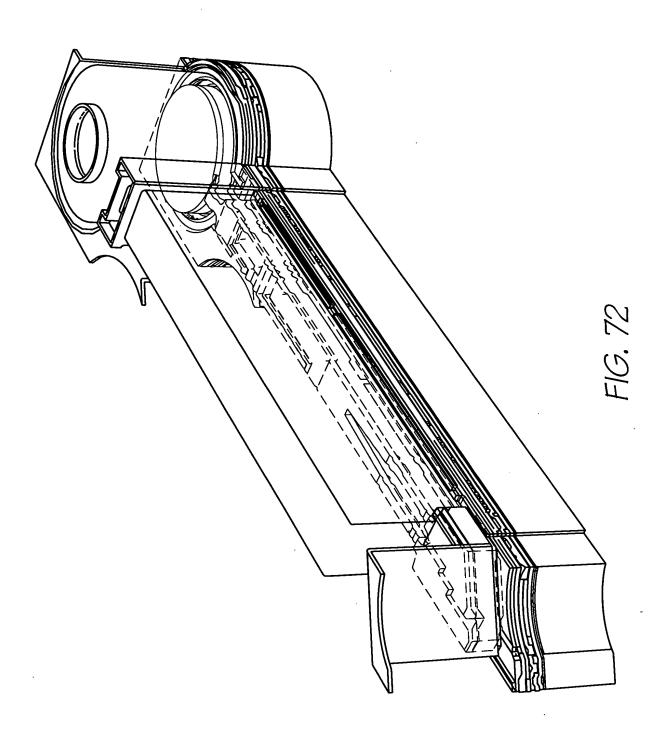


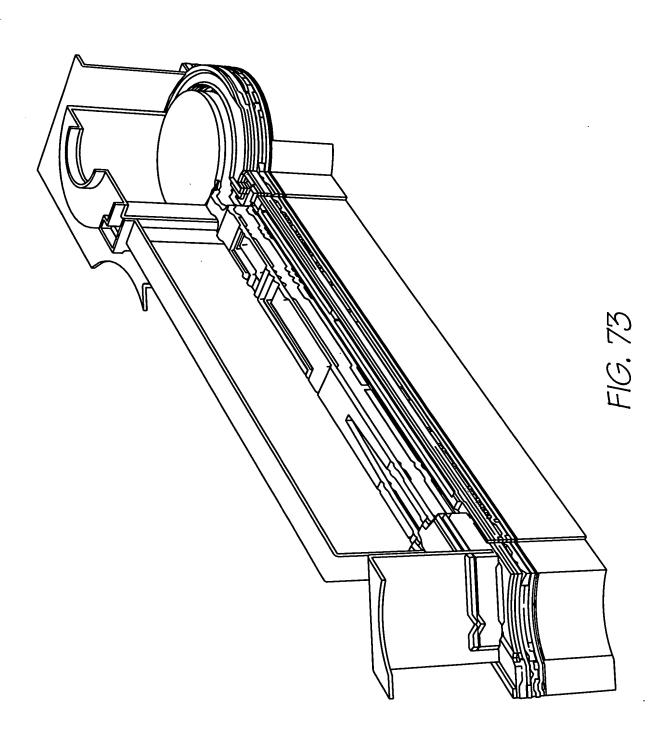


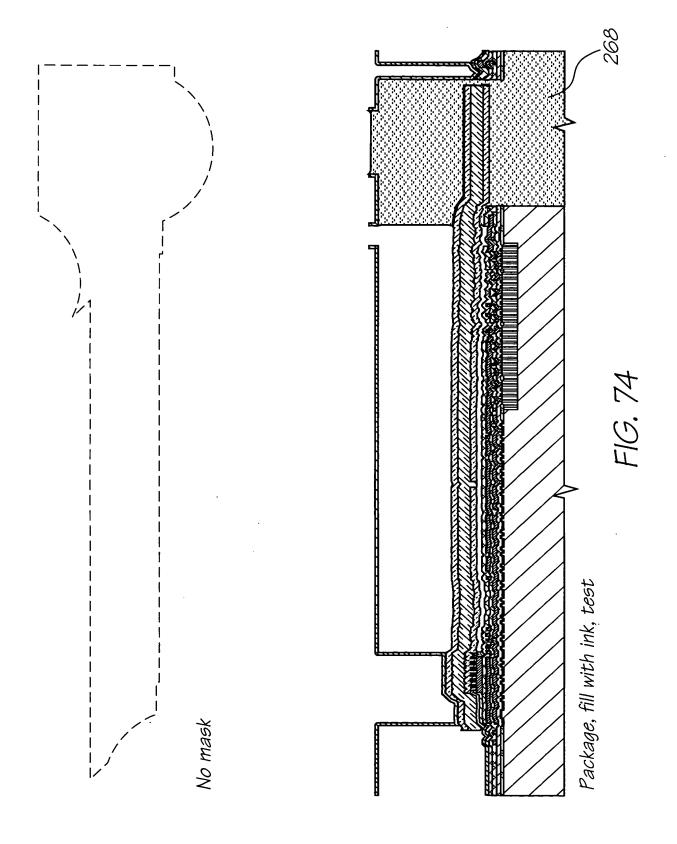


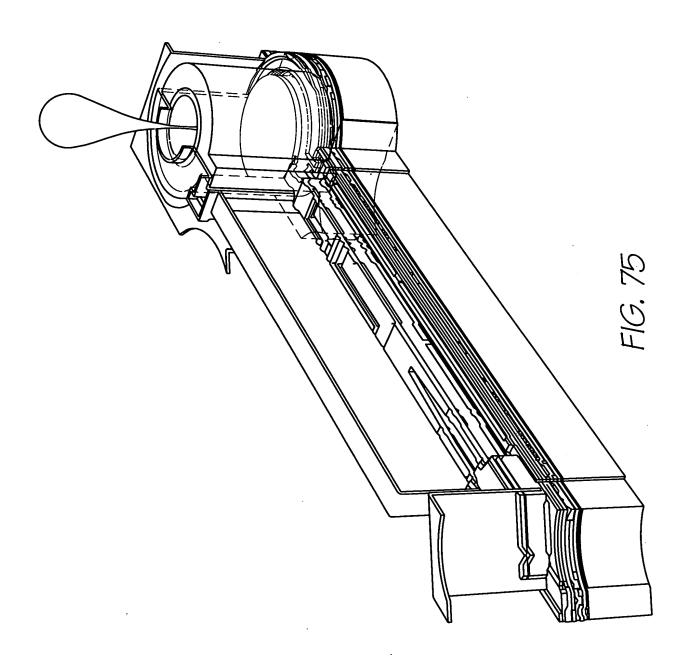


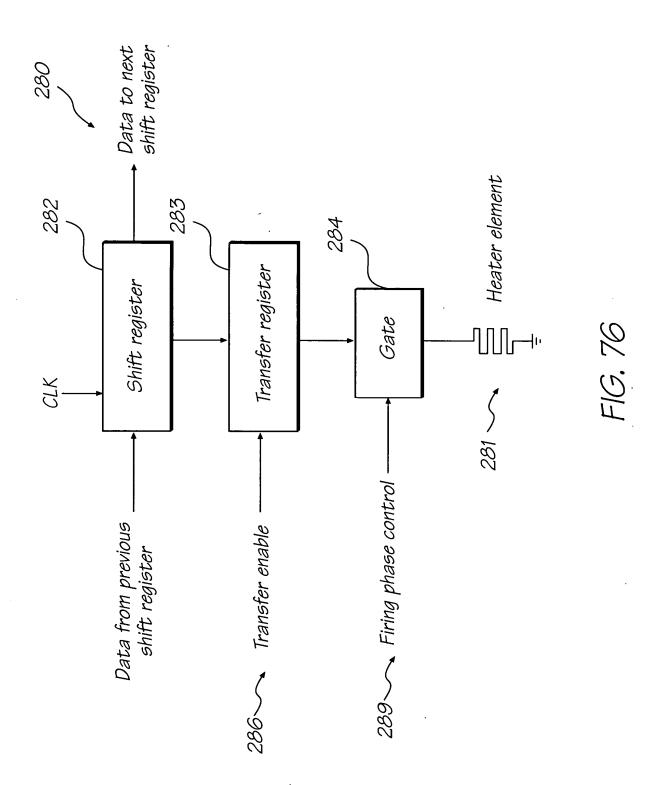












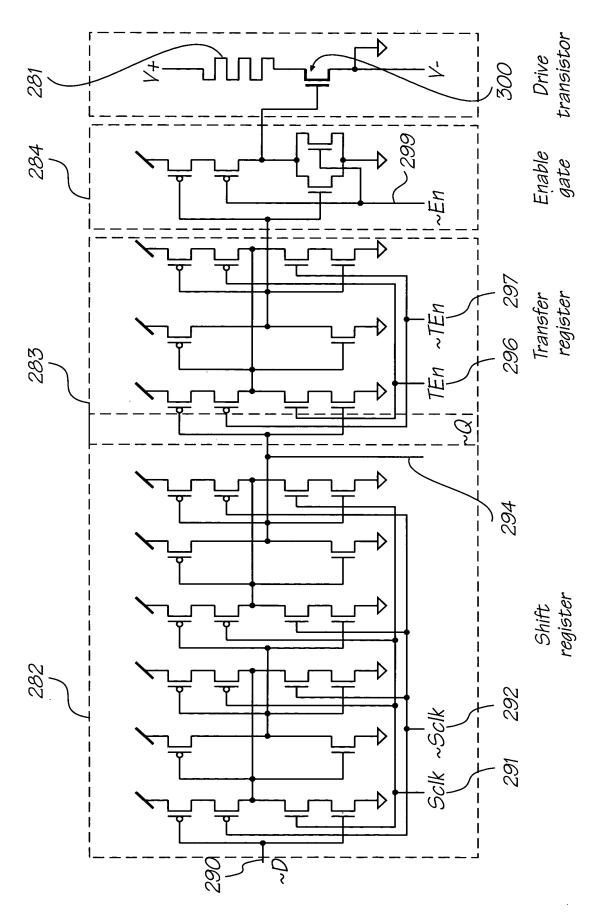


FIG. 77

FIG. 78

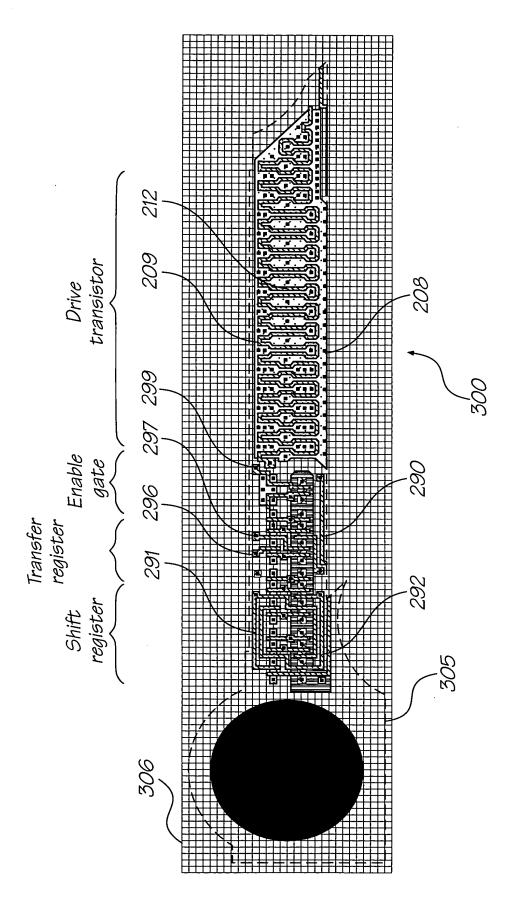


FIG. 79

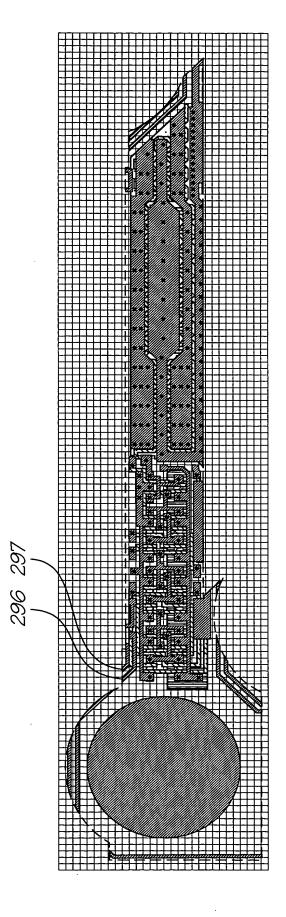
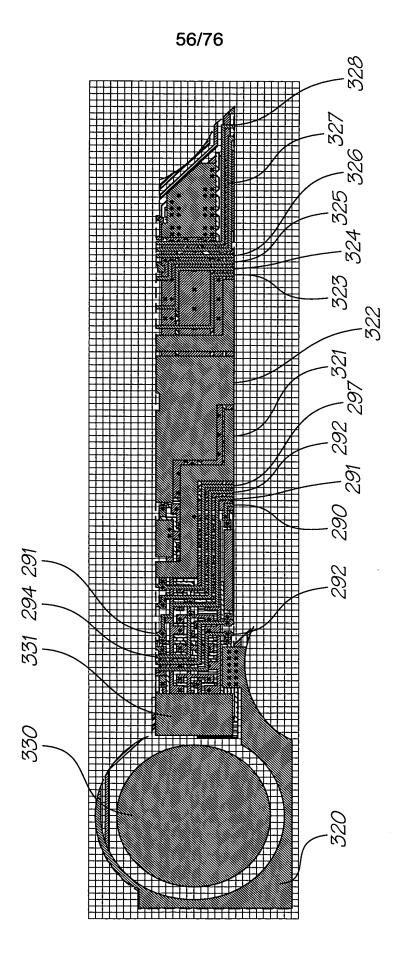


FIG. 80



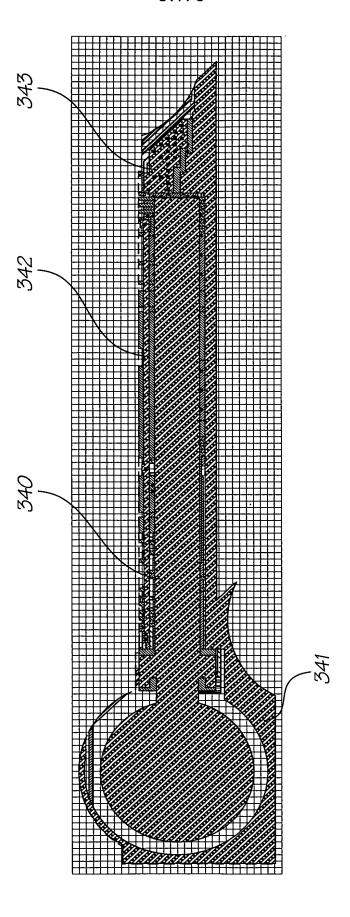


FIG. 82

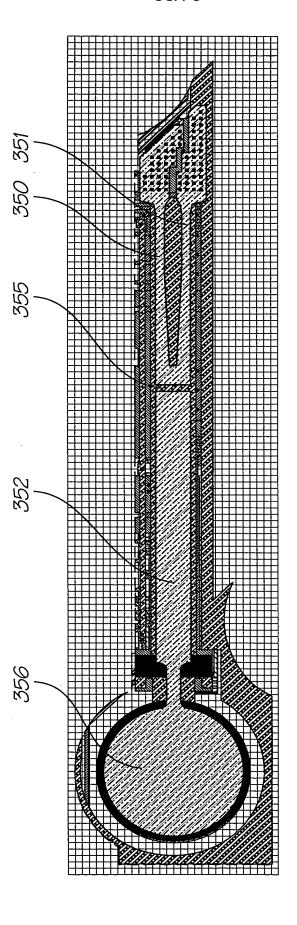


FIG. 83

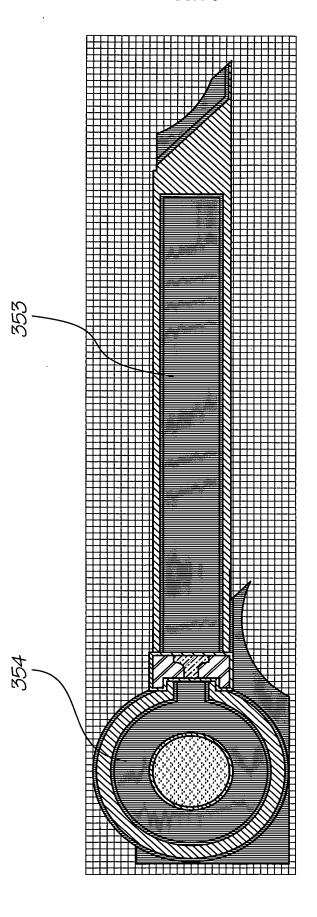
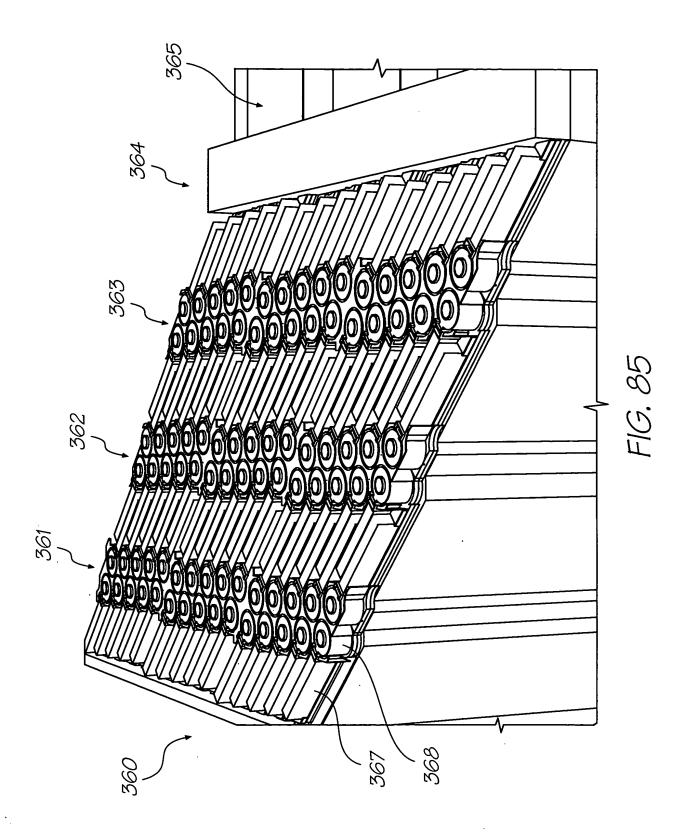


FIG. 84



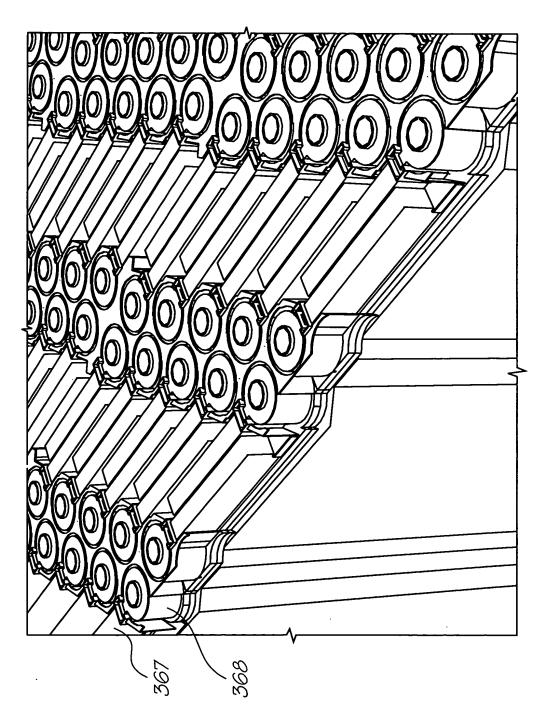


FIG. 86

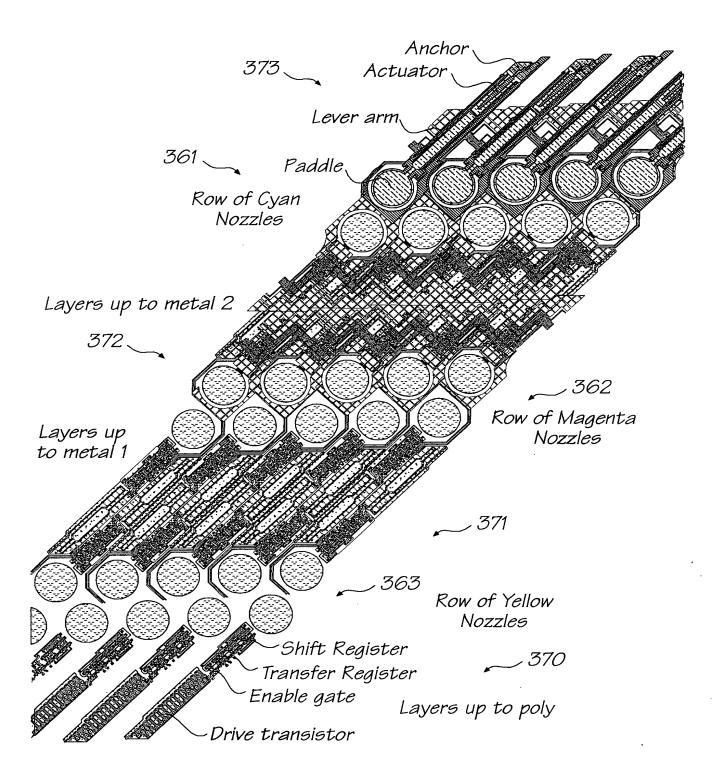
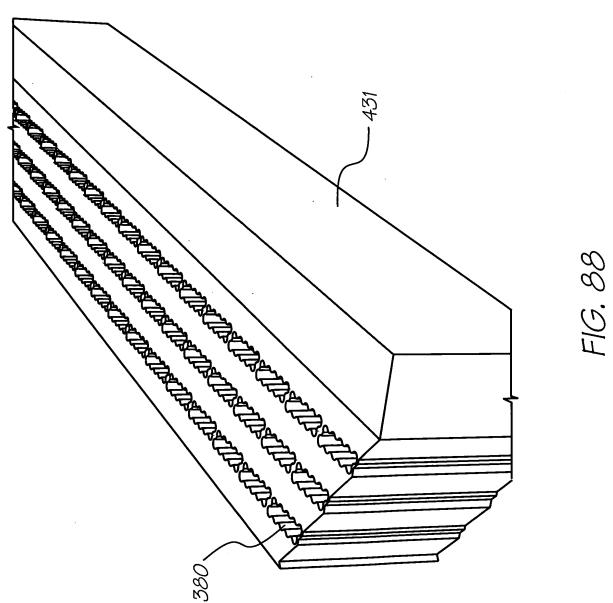
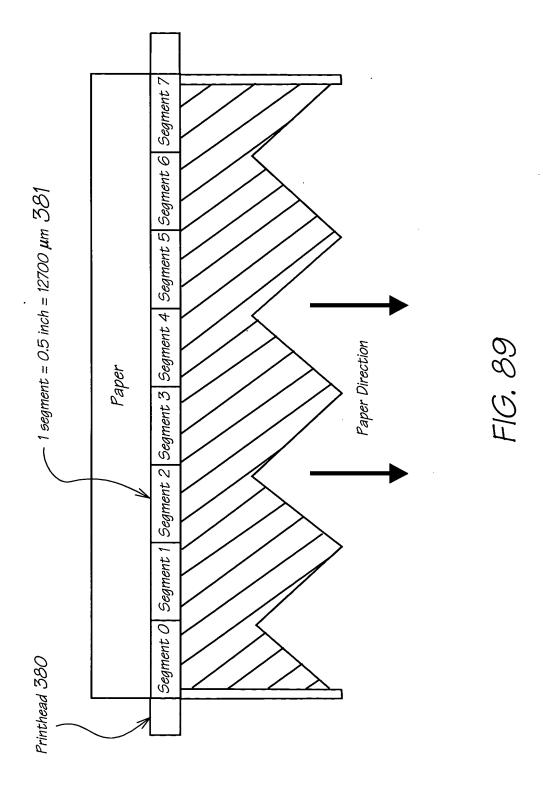
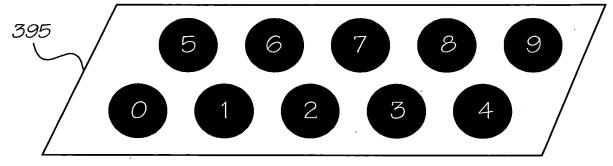


FIG. 87







A single pod, numbered by firing order

FIG. 90

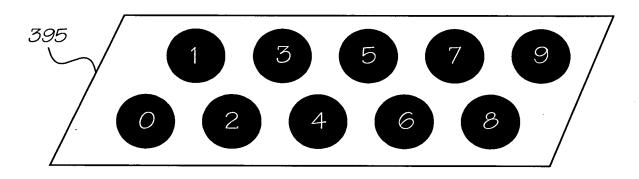
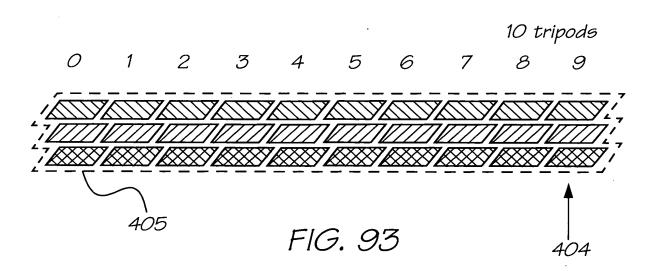


FIG. 91



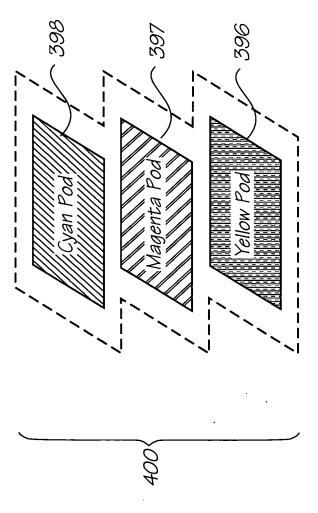


FIG. 92

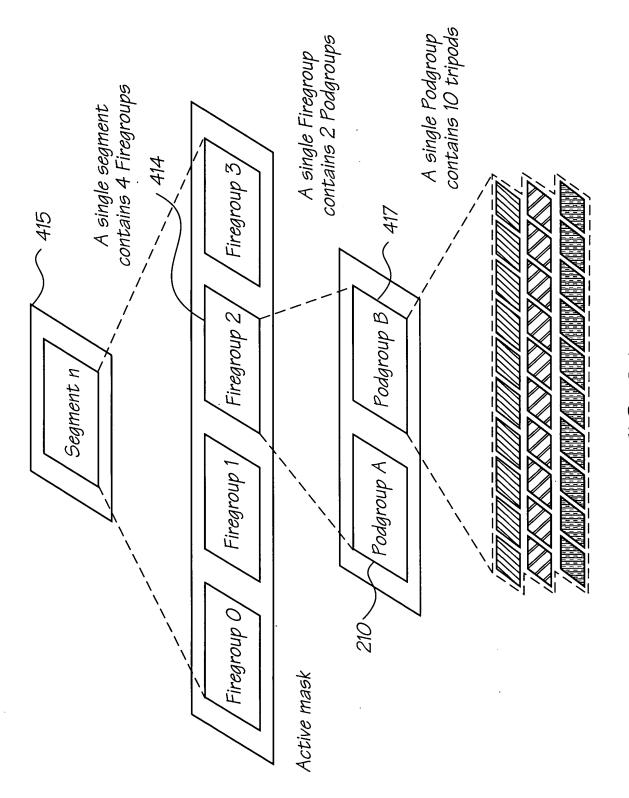


FIG. 94

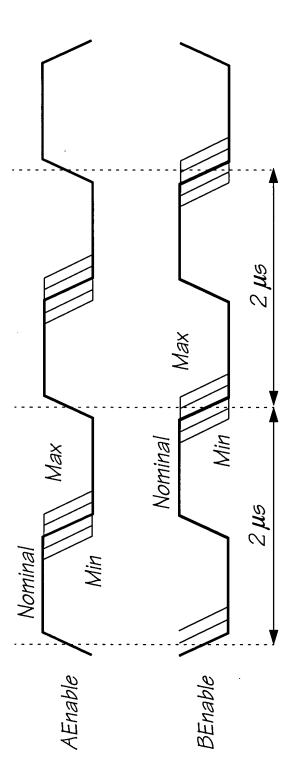
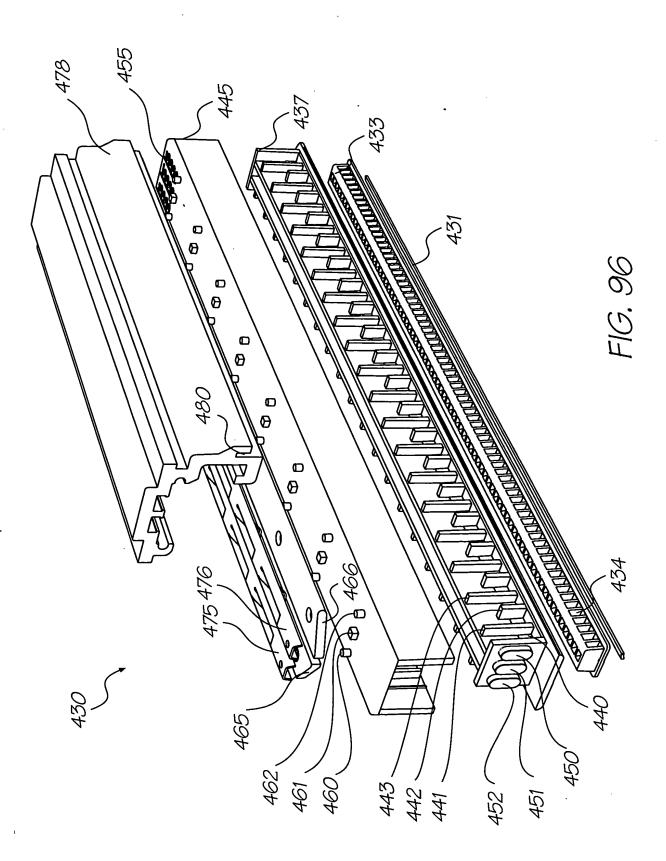


FIG. 95



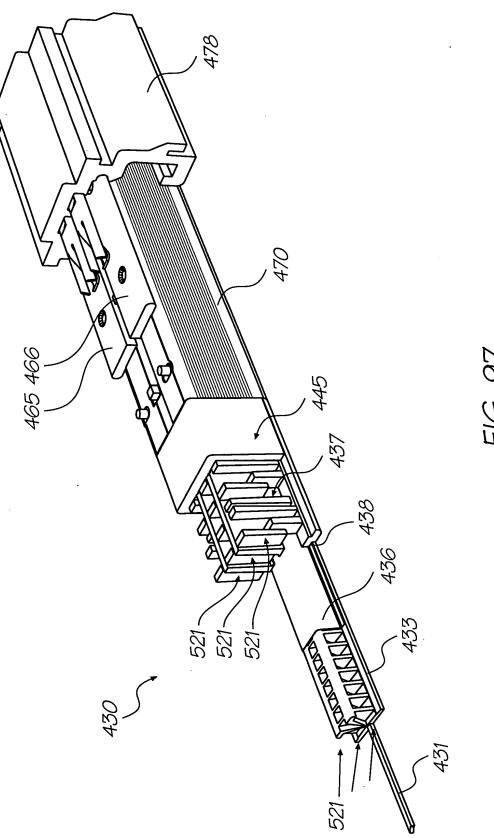
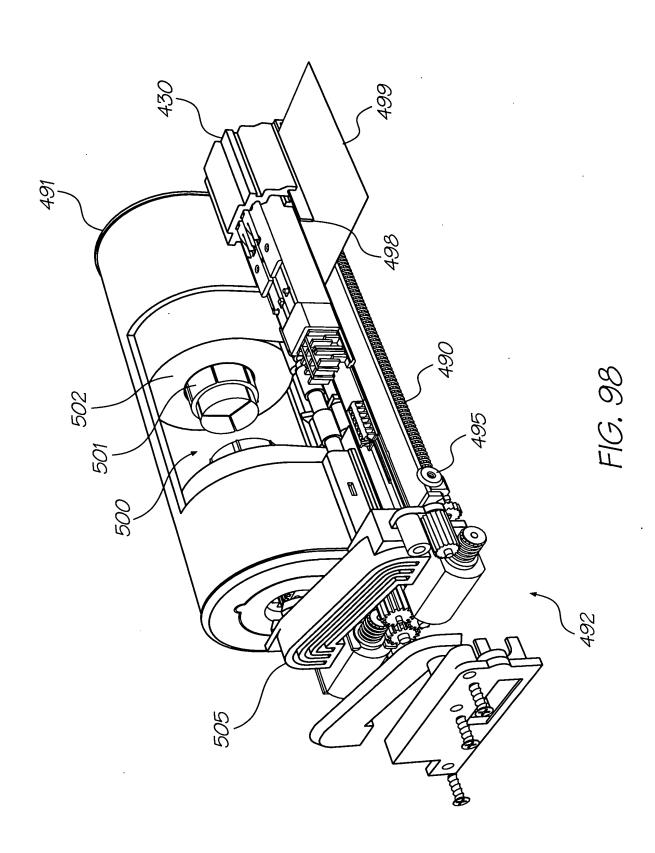
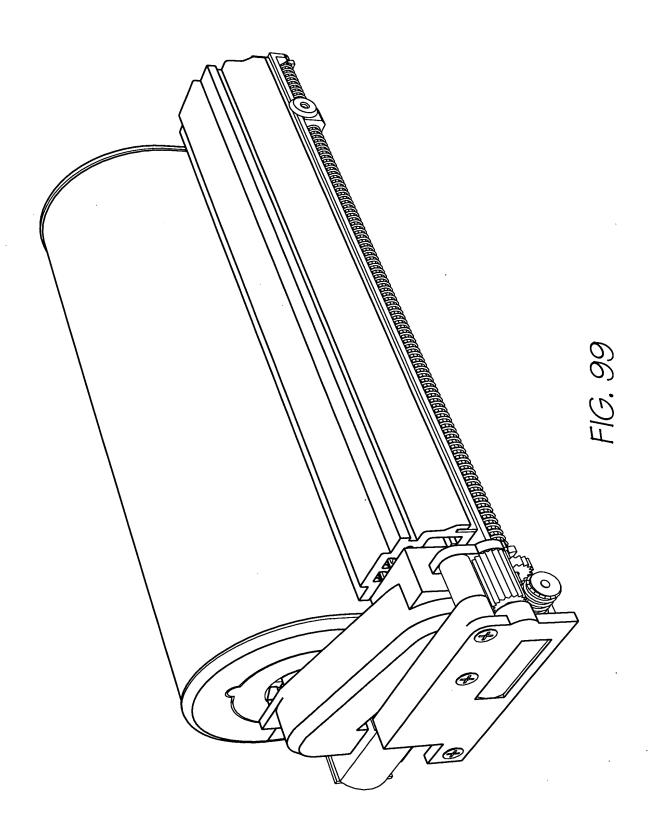


FIG. 37/





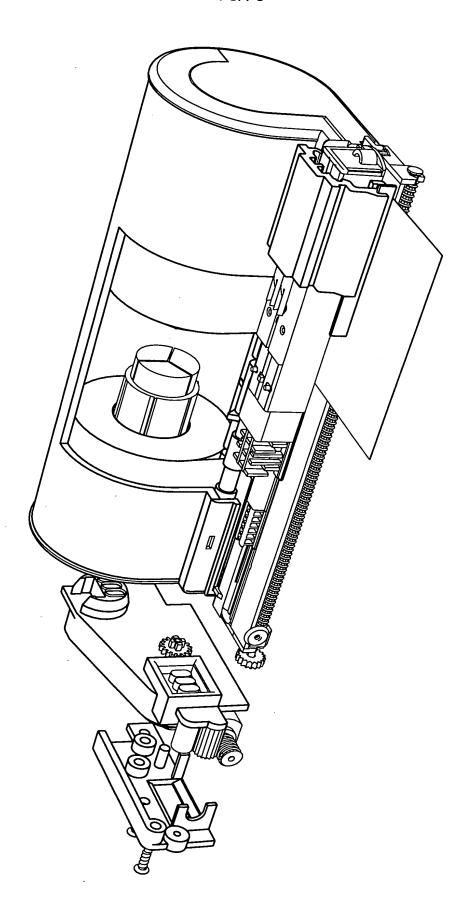
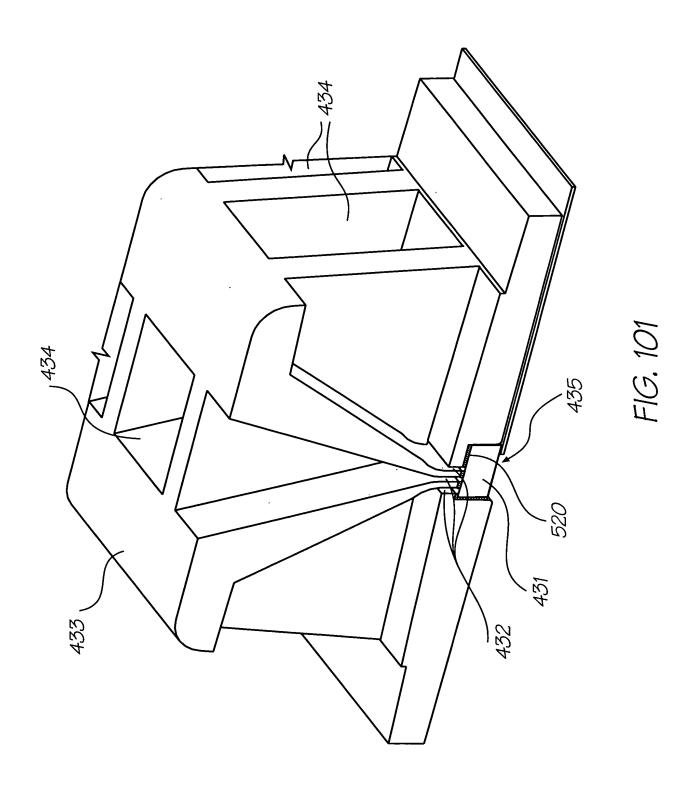


FIG. 100



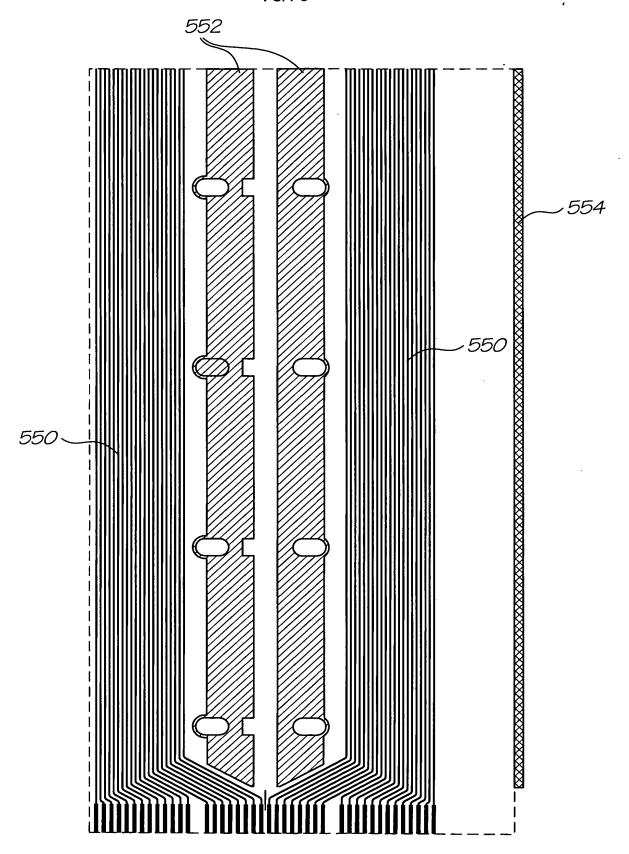


FIG. 102

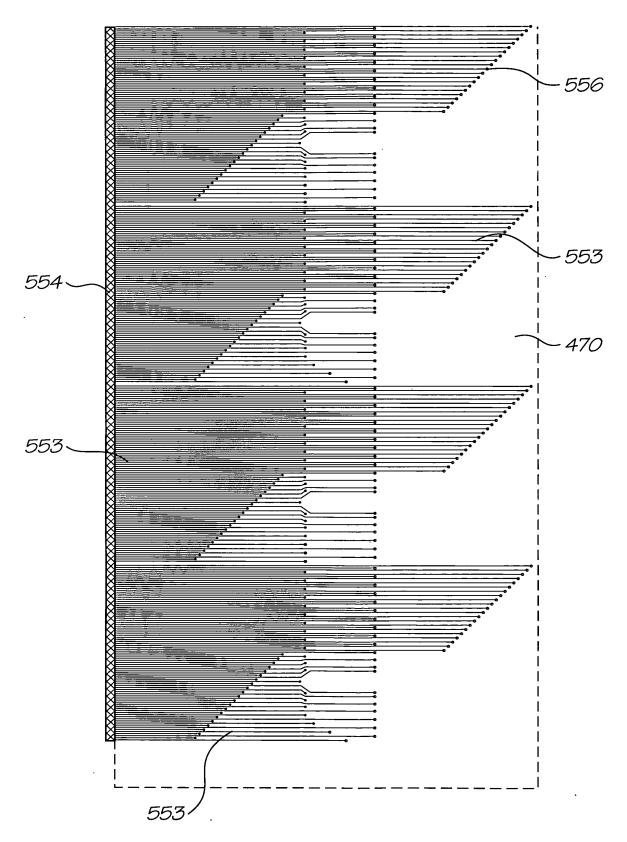


FIG. 103